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Message Text

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12
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INFO OCT-01 ISO-00 PM-07 ACDA-19 AEC-11 CIAE-00 H-03

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INFO SECDEF
JCS
CNO
CINCPAC HONOLULU HI
COMSUBPAC PEARL HARBOR
CINCPACKLT MAKALAPA HI
COMUS JAPAN FUCHU JAPAN
COMNAVFORJAPAN YOKOSUKA JAPAN
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E.O. 11652: NA
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SUBJECT: SSN MONITORING

REF: STATE 030824

1. FOLLOWING ADDITIONAL INFORMATION WAS PROVIDED JAPANESE EMBOFF MARCH 4 IN RESPONSE TO GOJ REQUEST.

2. Q. WITH SPECIFIC REFERENCE TO HE PORTS OF SAN DIEGO AND NEW LONDON, DOES THE US UTILIZE A "CHECKERBOARD"
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SAMPLING PATTERN IN ITS MONITORING PROGRAM? IF SO HOW MANY

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SAMPLING POINTS ARE USED? HOW ARE THEY SELECTED AND WHAT INSTRUMENTS ARE USED TO COLLECT SILT OR WATER SAMPLES?

A. US NAVY EMPLOYS STANDARD ENVIRONMENTAL MONITORING PROGRAM OF WATER AND SEDIMENT SAMPLING IN HARBORS FREQUENTED BY NUCLEAR-POWERED SHIPS, INCLUDING THE HARBORS OF SAN DIEGO AND NEW LONDON.

FIVE WATER SAMPLES ARE TAKEN IN EACH HARBOR ONCE EACH QUARTER YEAR IN AREAS WHERE NUCLEAR-POWERED SHIPS BERTH AND FROM UPSTREAM AND DOWNSTREAM LOCATIONS. NAVY MONITORING PROCEDURES REQUIRE COLLECTING APPROXIMATELY 20 TO 120 SEDIMENT SAMPLES IN FREQUENTLY USED HARBORS ONCE EACH QUARTER YEAR. LOCATIONS AND NUMBERS OF SEDIMENT SAMPLES FOR A PARTICULAR HARBOR DEPEND ON THE SIZE OF THE

HARBOR AND THE NUMBER AND SEPARATION OF LOCATIONS WHERE NUCLEAR-POWERED SHIPS BERTH. SAMPLING POINTS ARE SELECTED TO FORM A PATTERN AROUND BERTHING LOCATIONS CONSISTENT WITH ARRANGEMENTS OF PIERS AND TO ALSO PROVIDE POINTS IN AREAS AWAY FROM THESE BERTHING LOCATIONS. THE PRECISE SAMPLING LOCATIONS ARE SELECTED INDIVIDUALLY FOR EACH HARBOR CONSIDERING CHARACTERISTICS OF THE HARBOR RATHER THAN FOLLOWING A RIGID CHECKERBOARD PATTERN.

Q. WHAT INSTRUMENTS ARE USED TO COLLECT SILT OR WATER SAMPLES?

A. SEDIMENT SAMPLES ARE COLLECTED USING A HAND CARRIED BIRGE EKMAN DREDGE, SIX INCHES SQUARE. THE DREDGE IS LOWERED TO THE HARBOR BOTTOM, AND A SIGNAL FROM THE SURFACE CAUSES THE SPRING-LOADED JAWS ON THE DREDGE TO CLOSE AND TRAP THE SEDIMENT.

WATER SAMPLES ARE COLLECTED BY IMMERSING A ONE QUART PLASTIC CONTAINER BENEATH THE SURFACE OF THE HARBOR WATER.

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